REMARKS

Reconsideration of this application, in view of the foregoing amendments and the following remarks, is respectfully requested.

Notice of Non-Compliant Amendment

Applicant have receive a notice of non-compliant amendment stating that amendment to claims do not show all changes relative to the immediate prior version. Applicant have made the appropriate corrections. Applicant is resubmitting the response with proper adjustments and requests the reconsideration of the response.

Applicants do not believe any fees are required to complete this response. In the event; however, fees are required to complete this response, Applicant authorizes the Commissioner to charge applicable fees to Applicant's deposit Account No. 20-06688.

Double Patenting

Claims 1 and 8-10 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-4 and 10-14 of copending Application No. 09/996,167.

Applicants respectfully offer to submit a terminal disclaimer in compliance with 37 CFR 1.321(c) upon determination of allowability of these claims.

Claim Rejections - 35 USC § 102

Claims 1, 2 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by applicant's background of the invention and admitted prior art figs. 1-6. Applicants respectfully traverse these rejections.

Applicants respectfully point to the Examiner that in figures 1-6 Applicants have described a prior art method that detects boundaries between different sequences by correlating pairs of sample values in which a first sample value is compared with a second sample value and

the second sample value is then compared with a third sample value and so on (see figure 6, elements 610). In contrast, claim 1 recites correlating a plurality of received digital sample values with a single digital sample value. This aspect of the claimed invention is shown and described in figures 7 and 9a-c. Claim 1 has been amended to further clarify this aspect. Accordingly, claim 1 is patentably distinguishable from the prior art.

Claim Rejections - 35 USC § 103

Claims 3-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over applicant's background of the invention. Applicants respectfully traverse these rejections.

Claims 3-7 depend from claim 1, which has been distinguished from the prior art failing to disclose correlating a single digital sample value with a plurality of received digital sample values. Accordingly, claims 3-7 are patentably distinguishable form the prior art for at least the same reasons as claim 1.

Claims 11 and 15-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over applicant's background of the invention and admitted prior art figs. 1-6 in view of Okanoue et al US patent No. 6,738,439. Applicants respectfully traverse these rejections.

Claims 11 has been amended in the manner of claim 1, which has been distinguished from the prior art failing to disclose correlating a single digital sample value with a plurality of received digital sample values. Accordingly, claim 11 and those depend therefrom are patentably distinguishable from the cited references for at least the same reasons as claim 1.
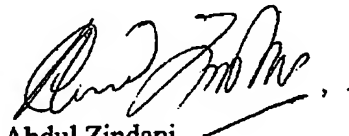
Claims 12-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over applicant's background of the invention and admitted prior art figs. 1-6 in view of Okanoue et al US patent No. 6,738,439 further in view of Lee US Patent Application S/N US2001/0005378. Applicants respectfully traverse these rejections.

Claims 12-14 depend from claim 11, which has been distinguished from the prior art failing to disclose correlating a single digital sample value with a plurality of received digital

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sample values. Therefore, the combination of applicant's background of the invention and Okanoue et al. further in view of Lee cannot render claims 12-14 obvious. Accordingly, claims 12-14 are patentably distinguishable form the combination of cited references.

Applicant believes this application and the claims herein to be in a condition for allowance. Should the Examiner have further inquiry concerning these matters, please contact the below named attorney for Applicant.

Respectfully submitted,

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